

## PATENT ABSTRACTS OF JAPAN

correspond to  
JP 2780045 B

(11)Publication number : 02-027247

(43)Date of publication of application : 30.01.1990

(51)Int.Cl.

G01N 25/68

(21)Application number : 01-139354

(71)Applicant : MUTTER ARTHUR

(22)Date of filing : 02.06.1989

(72)Inventor : MUTTER ARTHUR

(30)Priority

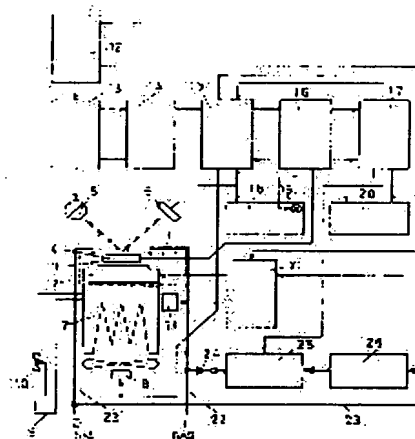
Priority number : 88 2130 Priority date : 03.06.1988 Priority country : CH

## (54) METHOD AND EQUIPMENT FOR MEASURING DEW POINT OF WET GAS

(57)Abstract:

**PURPOSE:** To shorten the measuring time of a low dew point by feeding a small quantity of gas containing a large quantity of water into a measuring gas supply tube.

**CONSTITUTION:** A measuring gas is supplied to and discharged from a dew point mirror 3 through measuring gas circuits 22, 22' having input part I and output part O. A gas valve 24, an injection pump 25 and a humidifier unit 26 are disposed in a subcircuit 23. When a predetermined temperature (lower than an expected dew point by about 10° C, and equal the lowest mirror temperature of -95° C when a very low dew point is expected) is reached, the pump 25 is controlled 17 to inject about 5cm<sup>3</sup> of gas having a high water content through a valve 24 into the circuit 22. Consequently, the mirror 3 is coated directly with dew or mist. The measuring gas has low water content and normally guided at a current velocity of 20-40l/h along the mirror 3. According to the arrangement, an initial mist layer 3 of sufficient thickness is formed at a correct time on the mirror 3 and the dew point can be measured in a short time.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]